



IPW

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Paul E. Denney et al.
Appl. No. : 10/803,267
Filed : March 18, 2004
For : METHOD AND APPARATUS
FOR DETECTING EMBEDDED
REBAR WITHIN AN INTER-
ACTION REGION OF A
STRUCTURE IRRADIATED
WITH LASER LIGHT
Examiner : Unknown

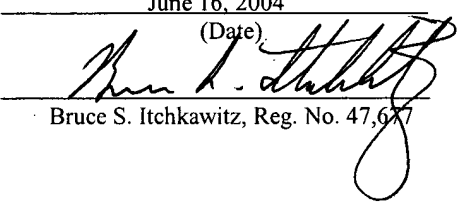
Group Art Unit 2877

Certificate of Mailing

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Office of Initial Patent Examination, Customer Service Center, Alexandria, VA 22313-1450, on

June 16, 2004

(Date)


Bruce S. Itchkawitz, Reg. No. 47,677REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Office of Initial Patent Examination
Customer Service Center
Alexandria, VA 22313-1450

Dear Sir:

Applicants hereby request that the Official Filing Receipt, a copy of which is attached, be corrected to correct the title of the invention. Presently, the Filing Receipt incorrectly shows the title as "Method and apparatus for detecting embedded rebar within an interaction region of a structure irradiated with laser." The correct title, per the filed specification, should read "Method and apparatus for detecting embedded rebar within an interaction region of a structure irradiated with laser light."

A copy of the first page of the specification as filed is attached for your review.

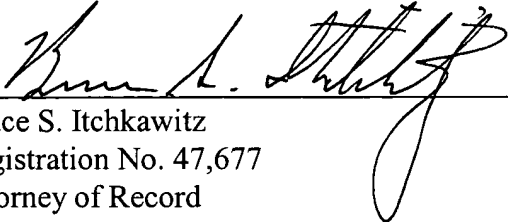
RECEIVED
JUN 24 2004
OIP/EJCL

Appl. No. : 10/803,267
Filed : March 18, 2004

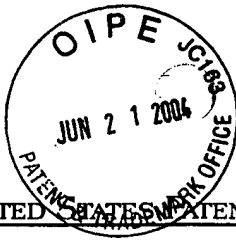
Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 6/16/04

By: 
Bruce S. Itchkawitz
Registration No. 47,677
Attorney of Record
Customer No. 20,995
(949) 760-0404

H:\DOCS\BSI\BSI-6108.DOC
061604



UNITED STATES PATENT AND TRADEMARK OFFICE

Page 1 of 2

LOMASR.026CP/01
WBB/BS1

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/803,267	03/18/2004	2877	770	LOMASR.026CP1	37	16	3

CONFIRMATION NO. 5395

20995
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

FILING RECEIPT



OC000000012832596

Date Mailed: 06/01/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Paul E. Denney, Columbus, OH;
Jay R. Eastman, Westerville, OH;
Ta-Chieh Huang, Hilliard, OH;

Domestic Priority data as claimed by applicant

This application is a CIP of 10/691,444 10/22/2003
which claims benefit of 60/456,043 03/18/2003
and claims benefit of 60/471,057 05/16/2003
and claims benefit of 60/496,460 08/20/2003

Foreign Applications

If Required, Foreign Filing License Granted: 05/31/2004

Projected Publication Date: 09/23/2004

Non-Publication Request: No

Early Publication Request: No

Title

Method and apparatus for detecting embedded rebar within an interaction region of a structure irradiated with laser

Preliminary Class

356

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



LOMASR.026CP1

PATENT

**METHOD AND APPARATUS FOR DETECTING EMBEDDED REBAR WITHIN
AN INTERACTION REGION OF A STRUCTURE IRRADIATED WITH LASER
LIGHT**

Claim of Priority

[0001] This application is a continuation-in-part from U.S. Patent Application No. 10/691,444, filed October 22, 2003, which claims benefit under 35 U.S.C. § 119(e) to U.S. Provisional Patent Application No. 60/456,043, filed March 18, 2003, to U.S. Provisional Patent Application No. 60/471,057, filed May 16, 2003, and to U.S. Provisional Patent Application No. 60/496,460, filed August 20, 2003, each of which is incorporated in its entirety by reference herein.

Related Applications

[0002] This application is related to U.S. Patent Application Nos. 10/690,983, 10/690,833, 10/690,975, and 10/691,481, each of which were filed on October 22, 2003 and each of which is incorporated in its entirety by reference herein. This application is also related to U.S. Patent Applications Nos. _____ (Attorney Docket No. LOMASR.021CP1) and _____ (Attorney Docket No. LOMASR.023CP1), both of which are filed on even date herewith and are incorporated in their entireties by reference herein.

Statement Regarding Federally Sponsored Research or Development

[0003] This invention was funded, in part, by the Federal Emergency Management Agency as part of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. § 5121 *et seq.*).

Background of the Invention

Field of the Invention

[0004] The present invention relates to the field of material processing, particularly, to an apparatus and method for drilling, cutting, and surface processing of materials using energy waves.

Description of the Related Art

[0005] Those in the wide ranging materials processing industries have long recognized the need for non-disruptive material processing. In the past, virtually all material